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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/092,339	03/05/2002	Chang-Su Kim	INTV.015A	7696
4586	7590 07/20/2006	EXAMINER		
	RG, KLEIN & LEE	an, shawn s		
3458 ELLICOTT CENTER DRIVE-SUITE 10 ELLICOTT CITY, MD 21043		UITE 101	ART UNIT	PAPER NUMBER
	•		2621	

DATE MAILED: 07/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/092,339	KIM ET AL.				
Office Action Summary	Examiner	Art Unit				
	Shawn S. An	2621				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on						
<u> </u>	—· s action is non-final.					
· <u> </u>	,—					
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>1-26</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6) Claim(s) is/are rejected.						
7) Claim(s) is/are objected to.	7) Claim(s) is/are objected to.					
8) Claim(s) <u>1-26</u> are subject to restriction and/or	election requirement.					
Application Papers						
9) The specification is objected to by the Examine	er.					
10) The drawing(s) filed on is/are: a) acc	epted or b) objected to by the E	xaminer.				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
1. ☐ Certified copies of the priority documents have been received.						
_	2. Certified copies of the priority documents have been received in Application No					
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)	_					
1)	4) Interview Summary Paper No(s)/Mail Da					
Notice of Dratisperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date		atent Application (PTO-152)				

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DETAILED ACTION

Election/Restrictions

1. This application contains claims directed to the following patentably <u>distinct</u> <u>species</u> of the claimed invention:

Species I: Fig. 1 (a <u>networked system</u> for implementing a video distribution system in accordance with <u>one embodiment of the invention</u>);

Species II: Fig. 7 (a block diagram of a <u>video encoder</u> according to <u>an</u> <u>embodiment of the invention</u>);

Species III: Fig. 8 (a block diagram of a <u>predictive-coded video object plane (P-VOP) encoder</u> according to <u>an embodiment of the invention</u>);

Species VI: Fig. 9 (a flowchart illustrating a process according to <u>an</u> <u>embodiment of the invention</u> of <u>encoding a portion of a video bitstream to include a redundant motion vector);</u>

Species V: Fig. 10 (a flowchart illustrating a process according to <u>an</u> <u>embodiment of the invention</u> of <u>optionally encoding a portion of a video bitstream with sequential intra-frames</u> to enhance the robustness of the bitstream);

Species VI: Fig. 11 (a flowchart illustrating another process according to <u>an</u> <u>embodiment of the invention</u> of <u>encoding a portion of a video bitstream bitstream to include a redundant motion vector that can be referenced to a selected previous frame);</u>

Species VII: Fig. 13 (a block diagram of a <u>video decoder</u> according to <u>an embodiment of the invention</u>);

Species VIII: Fig. 14 (a block diagram of <u>a predictive-coded video object plane</u> (P-VOP) decoder according to <u>an embodiment of the invention</u>);

Species IX: Fig. 15 (a flowchart illustrating a process according to <u>an</u> <u>embodiment of the invention</u> of <u>decoding a portion of a video bitstream encoded with redundant motion vectors, where the process uses a redundant motion vector as a <u>backup to a standard motion vector</u>); and</u>

Species X: Figs. 16A-16B (flowcharts illustrating another process according to an embodiment of the invention of decoding a video bitstream encoded with redundant

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motion vectors, where the process uses a redundant motion vectors as a backup to a standard motion vector or in response to a high error estimate).

Applicant is required under **35 U.S.C. 121** to elect a <u>single disclosed species</u> for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claim is considered generic.

Applicant is advised that a reply to this requirement must include <u>an identification</u> of the Species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, Applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, Applicant must indicate which are readable upon the elected species.

MPEP § 809.02(a).

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, Applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the Examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

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Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

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Conclusion

- 2. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to *Shawn S. An* whose telephone number is 571-272-7324.
- 3. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.
- 4. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SHAWN AN PRIMARY EXAMMER